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- Derwent World Patents Index First View (File 331)
- Derwent World Patents Index (File 351)
- Derwent World Patents Index (File 350)
- Ei EnCompassPat (File 353)
- European Patents Fulltext (File 348)
- French Patents (File 371)
- German Patents Fulltext (File 324)
- IMS Patent Focus (File 447, 947)
- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)

- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

Show Preferences for details

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*** ANNOUNCEMENTS ***

*** FREE FILE OF THE MONTH (April) Prompt and Trade & Industry Database (Files 16 and 148)

Each month Dialog offers an opportunity to try out new or unfamiliar sources by offering \$100 of free searching (either DialUnits or connect time) in one specific file. Output and Alerts charges are not included. For more details visit:

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and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need. See HELP FILEHIST for more information about how to use the link and a list of files that contain the link.

NEW FILE

***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING

***File 523, D&B European Financial Records

RELOADS COMPLETED

***Files 154&155, MEDLINE(R)

***File 669, TRADEMARKSCAN(R) - Japan

***File 126, TRADEMARKSCAN(R) - United Kingdom

***File 228, TRADEMARKSCAN(R) - Spain

***File 672, TRADEMARKSCAN(R) - Germany

***File 655, TRADEMARKSCAN(R) - Korea

***File 656, TRADEMARKSCAN(R) - Australia

***File 657, TRADEMARKSCAN(R) - France

***File 673, TRADEMARKSCAN(R) - Italy

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

FILES REMOVED

***File 301, CHEMNAME - please use File 398 ChemSearch

***File 388, PEDS: Defense Program Summaries

***File 588, DMS-FI Contract Awards

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>>>a specific database by entering HELP NEWS <file number>. <<<

? Help Off Line

* * *

Connecting to Suzanne Noakes - Dialog - 276629

Connected to Dialog via SMS004131455

? b 155 biosci medicine 399

[File 155] **MEDLINE(R)** 1950-2009/Apr 24
(c) format only 2009 Dialog. All rights reserved.

[File 5] **Biosis Previews(R)** 1926-2009/Apr W3
(c) 2009 The Thomson Corporation. All rights reserved.

[File 24] **CSA Life Sciences Abstracts** 1966-2009/Jul
(c) 2009 CSA. All rights reserved.

[File 28] **Oceanic Abstracts** 1966-2009/Jun
(c) 2009 CSA. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2009/Apr W2
(c) 2009 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2009/Mar
(c) 2009 ProQuest Info&Learning. All rights reserved.

[File 40] **Enviroline(R)** 1975-2008/May
(c) 2008 Congressional Information Service. All rights reserved.
**File 40: This file is closed and will no longer update. For similar data, please search File 76-Environmental Sciences.*

[File 41] **Pollution Abstracts** 1966-2009/Jul
(c) 2009 CSA. All rights reserved.

[File 44] **Aquatic Science & Fisheries Abstracts** 1966-2009/Jun
(c) 2009 CSA. All rights reserved.

[File 45] **EMCare** 2009/Apr W2
(c) 2009 Elsevier B.V. All rights reserved.

[File 50] **CAB Abstracts** 1972-2009/Apr W3
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**File 50: The file has been reloaded and accession numbers have changed. See HELP NEWS50 for information.*

[File 65] **Inside Conferences** 1993-2009/Apr 27
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[File 71] **ELSEVIER BIOBASE** 1994-2009/Apr W4
(c) 2009 Elsevier B.V. All rights reserved.
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[File 72] **EMBASE** 1993-2009/Apr 27
(c) 2009 Elsevier B.V. All rights reserved.

[File 73] **EMBASE** 1974-2009/Apr 24
(c) 2009 Elsevier B.V. All rights reserved.

[File 76] **Environmental Sciences** 1966-2009/Jul
(c) 2009 CSA. All rights reserved.

[File 91] **MANTIS(TM)** 1880-2009/Mar
2001 (c) Action Potential. All rights reserved.

[File 98] **General Sci Abs** 1984-2009/Apr
(c) 2009 The HW Wilson Co. All rights reserved.

[File 110] **WasteInfo** 1974-2002/Jul
(c) 2002 AEA Techn Env. All rights reserved.
**File 110: This file is closed (no updates)*

[File 135] **NewsRx Weekly Reports** 1995-2009/Apr W2
(c) 2009 NewsRx. All rights reserved.

[File 136] **BioEngineering Abstracts** 1966-2007/Jan
(c) 2007 CSA. All rights reserved.
**File 136: This file is closed.*

[File 143] **Biol. & Agric. Index** 1983-2009/Mar
(c) 2009 The HW Wilson Co. All rights reserved.

[File 144] **Pascal** 1973-2009/Apr W4
(c) 2009 INIST/CNRS. All rights reserved.

[File 154] **MEDLINE(R)** 1990-2009/Apr 24
(c) format only 2009 Dialog. All rights reserved.

[File 164] **Allied & Complementary Medicine** 1984-2009/Apr
(c) 2009 BLHCIS. All rights reserved.

[File 172] **EMBASE Alert** 2009/Apr 27
(c) 2009 Elsevier B.V. All rights reserved.

[File 185] **Zoological Record Online(R)** 1864-2009/Apr
(c) 2009 The Thomson Corp. All rights reserved.

[File 357] **Derwent Biotech Res.** _1982-2009/Mar W3
(c) 2009 Thomson Reuters. All rights reserved.

[File 369] **New Scientist** 1994-2009/Apr W2
(c) 2009 Reed Business Information Ltd. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3
(c) 1999 AAAS. All rights reserved.
**File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Database - Reactions** 2008/Q2
(c) 2008 Beilstein GmbH. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec
(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec
(c) 2001 Informania Ltd. All rights reserved.

[File 138] **Physical Education Index** 1990-2009/Jun
(c) 2009 CSA. All rights reserved.

[File 149] **TGG Health&Wellness DB(SM)** 1976-2009/Mar W4
(c) 2009 Gale/Cengage. All rights reserved.

[File 156] **ToxFile** 1965-2009/Apr W3
(c) format only 2009 Dialog. All rights reserved.

[File 159] **Cancerlit** 1975-2002/Oct
(c) format only 2002 Dialog. All rights reserved.

[File 162] **Global Health** 1983-2009/Apr W3
(c) 2009 CAB International. All rights reserved.

**File 162: The file has been reloaded and accession numbers have changed. See HELP NEWS 162 for information.*

[File 266] **FEDRIP** 2009/Jan
Comp & dist by NTIS, Intl Copyright All Rights Res. All rights reserved.

[File 399] **CA SEARCH(R)** 1967-2009/UD=15018
(c) 2009 American Chemical Society. All rights reserved.

**File 399: Use is subject to the terms of your user/customer agreement. IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.*

[File 444] **New England Journal of Med.** 1985-2009/Jan W2
(c) 2009 Mass. Med. Soc. All rights reserved.

? s au=((conticello v?) or (conticello, V.P.) or (conticello, V.?)) and (copolymer or
co-polymer)

238 AU=CONTICELLO V?

0 AU=CONTICELLO, V.P.

17 AU=CONTICELLO, V.?

513444 COPOLYMER

1084 CO-POLYMER

S1 67 S AU=((CONTICELLO V?) OR (CONTICELLO, V.P.) OR (CONTICELLO, V.?)) AND
(COPOLYMER OR CO-POLYMER)

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

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2/3/1 (Item 1 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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28719727 **PMID:** 18954902 **Record Identifier:** NIHMS80825 Available on 01/01/10 ; PMC2602831 Available on 01/01/10

Elastin-mimetic protein polymers capable of physical and chemical crosslinking.

Sallach Rory E; Cui Wanxing; Wen Jing; Martinez Adam; **Conticello Vincent P**; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, GA 30332, USA.

Biomaterials (England) Jan 2009 , 30 (3) p409-22 , **ISSN:** 1878-5905--Electronic **Journal Code:** 8100316

Contract/Grant No.: HL0083867; HL; NHLBI NIH HHS United States; HL60464; HL; NHLBI NIH HHS United States

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Other Citation Owner: NLM; NLM

Record type: MEDLINE; Completed

2/3/2 (Item 2 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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17409326 **PMID:** 16953644

Micelle density regulated by a reversible switch of protein secondary structure.

Sallach Rory E; Wei Min; Biswas Nilanjana; **Conticello Vincent P**; Lecommandoux Sebastien; Dluhy Richard A;

Chaikof Elliot L

Department of Biomedical Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332, USA.

Journal of the American Chemical Society (United States) Sep 13 2006 , 128 (36) p12014-9 , **ISSN:** 0002-7863-

-Print **Journal Code:** 7503056

Contract/Grant No.: EB001956; EB; NIBIB NIH HHS United States; HL60464; HL; NHLBI NIH HHS United States; HL71336; HL; NHLBI NIH HHS United States

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

2/3/3 (Item 3 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16905557 **PMID:** 16335985

One-pot glyco-affinity precipitation purification for enhanced proteomics: the flexible alignment of solution-phase capture/release and solid-phase separation.

Sun Xue-Long; Haller Carolyn A; Wu XiaoYi; **Conticello Vincent P**; Chaikof Elliot L

Departments of Surgery and Biomedical Engineering, Emory University School of Medicine, Atlanta, Georgia

30322, USA. xsun@emory.edu

Journal of proteome research (United States) Nov-Dec 2005 , 4 (6) p2355-9 , **ISSN:** 1535-3893--Print **Journal**

Code: 101128775

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

2/3/4 (Item 4 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16861590 **PMID:** 16283724

Alterations in physical cross-linking modulate mechanical properties of two-phase protein polymer networks.

Wu Xiaoyi; Sallach Rory; Haller Carolyn A; Caves Jeffrey A; Nagapudi Karthik; **Conticello Vincent P**; Levenston

Marc E; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, USA.

Biomacromolecules (United States) Nov-Dec 2005 , 6 (6) p3037-44 , **ISSN:** 1525-7797--Print **Journal Code:**

100892849

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

2/3/5 (Item 5 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16453235 **PMID:** 15763249

Viscoelastic and mechanical behavior of recombinant protein elastomers.

Nagapudi Karthik; Brinkman William T; Thomas Benjamin S; Park Jung O; Srinivasarao Mohan; Wright Elizabeth;
Conticello Vince P; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, GA 30322, USA.

Biomaterials (England) Aug 2005 , 26 (23) p4695-706 , **ISSN**: 0142-9612--Print **Journal Code**: 8100316
Publishing Model Print

Document type: Comparative Study; Evaluation Studies; Journal Article; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

2/3/6 (Item 6 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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15478317 **PMID**: 12901763

In-lens cryo-high resolution scanning electron microscopy: methodologies for molecular imaging of self-assembled organic hydrogels.

Apkarian Robert P; Wright Elizabeth R; Seredyuk Victor A; Eustis Susan; Lyon L Andrew; **Conticello Vincent P**;
Menger Fredric M

Integrated Microscopy and Microanalytical Facility, Emory University, Atlanta, GA 30322, USA.

rapkari@emory.edu

Microscopy and microanalysis - the official journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada (United States) Aug 2003 , 9 (4) p286-95 , **ISSN**: 1431-9276--Print

Journal Code: 9712707

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: PubMed not MEDLINE

2/3/7 (Item 7 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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15010546 **PMID**: 12384307

Self-assembly of block copolymers derived from elastin-mimetic polypeptide sequences.

Wright Elizabeth R; **Conticello Vincent P**

Department of Chemistry, Emory University, 1515 Pierce Drive, Atlanta, GA 30322, USA.

Advanced drug delivery reviews (Netherlands) Oct 18 2002 , 54 (8) p1057-73 , **ISSN**: 0169-409X--Print

Journal Code: 8710523

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.;

Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

2/3/8 (Item 1 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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11692746 **Genuine Article#:** 682YD **No. References:** 28

Morphological characterization of elastin-mimetic block copolymers utilizing cryo- and cryoetch-HRSEM

Author: Wright ER; **Conticello VP**; Apkarian RP (REPRINT)

Corporate Source: Emory Univ,Dept Chem, Integrated Microscopy & Microanalyt Facil,1515 Pierce Dr/Atlanta//GA/30322 (REPRINT); Emory Univ,Dept Chem, Integrated Microscopy & Microanalyt Facil,Atlanta//GA/30322

Journal: MICROSCOPY AND MICROANALYSIS , 2003 , V 9 , N3 (JUN) , P 171-182

ISSN: 1431-9276 **Publication date:** 20030600

Publisher: CAMBRIDGE UNIV PRESS , 40 WEST 20TH ST, NEW YORK, NY 10011-4221 USA

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

2/3/9 (Item 2 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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10414551 **Genuine Article#:** 526JB **No. References:** 31

Thermoplastic elastomer hydrogels via self-assembly of an elastin-mimetic triblock polypeptide

Author: Wright ER (REPRINT); McMillan RA; Cooper A; Apkarian RP; **Conticello VP**

Corporate Source: Emory Univ,Dept Chem,1515 Pierce Dr/Atlanta//GA/30322 (REPRINT); Emory Univ,Dept Chem,Atlanta//GA/30322; Univ Glasgow,Dept Chem,Glasgow G12 8QQ/Lanark/Scotland; Emory Univ,Integrated Microscopy & Microanalyt Facil,Atlanta//GA/30322

Journal: ADVANCED FUNCTIONAL MATERIALS , 2002 , V 12 , N2 (FEB) , P 149-154

ISSN: 1616-301X **Publication date:** 20020200

Publisher: WILEY-VCH VERLAG GMBH , PO BOX 10 11 61, D-69451 BERLIN, GERMANY

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

2/3/10 (Item 3 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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08905399 **Genuine Article#:** 343MU **No. References:** 25

Thermo-reversible self-assembly of nanoparticles derived from elastin-mimetic polypeptides

Author: Lee TAT; Cooper A; Apkarian RP; **Conticello VP (REPRINT)**

Corporate Source: EMORY UNIV,DEPT CHEM, 1515 PIERCE DR/ATLANTA//GA/30322 (REPRINT); EMORY UNIV,DEPT CHEM/ATLANTA//GA/30322; UNIV GLASGOW,DEPT CHEM/GLASGOW G12 8QQ/LANARK/SCOTLAND/; EMORY UNIV,INTEGRATED MICROSCOPY & MICROANALYT FACIL/ATLANTA//GA/30322

Journal: ADVANCED MATERIALS , 2000 , V 12 , N15 (AUG 2) , P 1105-&

ISSN: 0935-9648 **Publication date:** 20000802

Publisher: WILEY-V C H VERLAG GMBH , MUHLENSTRASSE 33-34, D-13187 BERLIN, GERMANY

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

2/3/11 (Item 4 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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08695311 **Genuine Article#:** 318CQ **No. References:** 31

Self-assembly of a polypeptide multi-block copolymer modeled on dragline silk proteins

Author: Qu Y; Payne SC; Apkarian RP; **Conticello VP (REPRINT)**

Corporate Source: EMORY UNIV,DEPT CHEM, 1515 PIERCE DR/ATLANTA//GA/30322 (REPRINT); EMORY UNIV,DEPT CHEM/ATLANTA//GA/30322; EMORY UNIV,INTEGRATED MICROSCOPY & MICROANALYT FACIL/ATLANTA//GA/30322; OGLETHORPE UNIV,DEPT CHEM/ATLANTA//GA/30319

Journal: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY , 2000 , V 122 , N20 (MAY 24) , P 5014-5015

ISSN: 0002-7863 **Publication date:** 20000524

Publisher: AMER CHEMICAL SOC , 1155 16TH ST, NW, WASHINGTON, DC 20036

Language: English **Document Type:** ARTICLE

2/3/12 (Item 5 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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08125284 **Genuine Article#:** 226RA **No. References:** 0

Synthesis and characterization of a self-assembling polypeptide block copolymer.

Author: **Conticello VP;** Qu Y

Corporate Source: EMORY UNIV,DEPT CHEM/ATLANTA//GA/30322

Journal: ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY , 1999 , V 218 , 2 (AUG 22) , P 405-POLY

ISSN: 0065-7727 **Publication date:** 19990822

Publisher: AMER CHEMICAL SOC , 1155 16TH ST, NW, WASHINGTON, DC 20036

Language: English **Document Type:** MEETING ABSTRACT

2/3/13 (Item 1 from file: 65)

Inside Conferences

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03859705 **Inside Conference Item ID:** CN040579424

Morphological Characterization of an Elastin-Mimetic Tri-Block Copolymer Utilizing Cryo-HRSEM

Wright, E.; Conticello, V.; Apkarian, R.

Conference: Microscopy Society of America - Annual meeting; 59th

MICROSCOPY AND MICROANALYSIS -NEW YORK- , 2001; VOL 7; SUPPL 2 P: 136-137

Springer, 2001

Language: English **Document Type:** Conference Extended abstracts

Editor: Bailey, G. W.

Sponsor: Microscopy Society of America

Microbeam Analysis Society

Location: Long Beach, CA

2001; Aug (200108) (200108)

Note:

Held in conjunction with the 35th annual meeting of the Microbeam Analysis Society

2/3/14 (Item 1 from file: 71)

ELSEVIER BIOBASE

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0003630682 **Supplier Number:** 2000130776

Self-assembly of a polypeptide multi-block copolymer modeled on dragline silk proteins [18]

Qu Y.; Payne S.C.; Apkarian R.P.; Conticello V.P.

Corresp. Author/Affil: Conticello V.P., Department of Chemistry, Oglethorpe University, Atlanta, GA 30319, United States

Journal : Journal of the American Chemical Society (J. Am. Chem. Soc.), v122, n20, (5014-5015), 2000, United States

Publication Date: May 24, 2000 (20000524)

Coden: JACSA

ISSN: 0002-7863 **eISSN:** 1471-2970

Record Type: Citation; New

Document Type: Letter

Languages: English

No. of References: 33

Classification Code and Description:

99 (General)

Record History: New; Created: June 30, 2000 (20000630) ; Delivered: June 3, 2008 (20080603)

Dialog Update Date: 20081210; 08:55:51 EST

2/3/15 (Item 1 from file: 72)

Fulltext available through: [STIC Full Text Retrieval Options](#)

EMBASE

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0082525205 EMBASE No: 2008369487

Deformation responses of a physically cross-linked high molecular weight elastin-like protein polymer

Wu X.; Sallach R.E.; Caves J.M.; **Conticello V.P.**; Chaikof E.L.

Department of Surgery, Emory University, 101 Woodruff Circle, Atlanta, GA 30332, United States; Biomedical Engineering, Emory University, Georgia Institute of Technology, Atlanta, GA 30332, United States

Author email: echaiko@emory.edu

Corresp. Author/Affil: Chaikof E.L.: Department of Surgery, Emory University, 101 Woodruff Circle, Atlanta, GA 30322, United States

Corresp. Author Email: echaiko@emory.edu

Biomacromolecules (Biomacromolecules) (United States) July 1, 2008 , 9/7 (1787-1794)

CODEN: BOMAF **ISSN:** 1525-7797

Item Identifier (DOI): [10.1021/bm800012x](https://doi.org/10.1021/bm800012x)

Document Type: Journal ; Article **Record Type:** Abstract

Language: English **Summary language:** English

Number of References: 17

2/3/16 (Item 1 from file: 144)

Pascal

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18955122 PASCAL No.: 09-0011316

Deformation Responses of a Physically Cross-Linked High Molecular Weight Elastin-Like Protein Polymer

XIAOYI WU; SALLACH Rory E; CAVES Jeffrey M; **CONTICELLO**

Vincent P; CHAIKOF Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, United States; Biomedical Engineering, Emory University/Georgia Institute of Technology, Atlanta, Georgia 30332, United States; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; School of Chemical and Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States

Journal: Biomacromolecules, 2008

, 9 (7) 1787-1794

Language: English

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2/3/17 (Item 2 from file: 144)

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17462640 PASCAL No.: 06-0045893

Alterations in physical cross-linking modulate mechanical properties of two-phase protein polymer networks

XIAOYI WU; SALLACH Rory; HALLER Carolyn A; CAVES Jeffrey A; NAGAPUDI Karthik; **CONTICELLO Vincent P**; LEVENSTON Marc E; CHAIKOF Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, United States; Department of Biomedical Engineering, Emory University School of Medicine and Georgia Institute of Technology, Atlanta, Georgia 30332, United States; Merck & Company, Rahway, New Jersey 07095, United States; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; School of Mechanical, Georgia Institute of Technology, Atlanta, Georgia 30322, United States; School of Chemical Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States

Journal: Biomacromolecules, 2005
, 6 (6) 3037-3044

Language: English

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2/3/18 (Item 3 from file: 144)

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17087645 PASCAL No.: 05-0153209

Protein-based thermoplastic elastomers

NAGAPUDI Karthik; BRINKMAN William T; LEISEN Johannes; THOMAS Benjamin S; WRIGHT Elizabeth R; HALLER Carolyn; XIAOYI WU; APKARIAN Robert P; **CONTICELLO Vincent P**; CHAIKOF Elliot L

Departments of Surgery and Biomedical Engineering, Emory University School of Medicine and Georgia Institute of Technology, Atlanta, Georgia 30332, United States; School of Polymer, Textile, and Fiber Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; Integrated Microscopy & Microanalytical Facility, Emory University, Atlanta, Georgia 30332, United States; School of Chemical and

Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia
30322, United States

Journal: Macromolecules, 2005
, 38 (2) 345-354

Language: English

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2/3/19 (Item 4 from file: 144)

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15536465 PASCAL No.: 02-0234911

Photomediated solid-state cross-linking of an elastin-mimetic recombinant
protein polymer

NAGAPUDI Karthik; BRINKMAN William T; LEISEN Johannes E; LEI
HUANG; MCMILLAN R Andrew; APKARIAN Robert P; **CONTICELLO Vincent P**;
CHAIKOF Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30322, United
States; School of Textile Engineering, Georgia Institute of Technology,
Atlanta, Georgia 30332, United States; Department of Chemistry, Emory
University, Atlanta, Georgia 30322, United States; Department of
Bioengineering, Emory University, Atlanta, Georgia 30322, United States;
Chemical Engineering, Georgia Institute of Technology, Atlanta, Georgia
30332, United States

Journal: Macromolecules, 2002
, 35 (5) 1730-1737

Language: English

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2/3/20 (Item 5 from file: 144)

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14708036 PASCAL No.: 00-0383484

Synthesis and characterization of elastin-mimetic protein gels derived from a well-defined polypeptide precursor

MCMILLAN R A; **CONTICELLO V P**

Department of Chemistry, Emory University, Atlanta, Georgia 30322, United States

Journal: Macromolecules, 2000
, 33 (13) 4809-4821

Language: English

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2/3/21 (Item 6 from file: 144)

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14601854 PASCAL No.: 00-0270278

Generation of synthetic elastin-mimetic small diameter fibers and fiber networks

LEI HUANG; MCMILLAN R A; APKARIAN R P; POURDEYHIMI B;

CONTICELLO V P; CHAIKOF E L

Department of Surgery, Emory University, Atlanta, Georgia, United States;
Department of Chemistry, Emory University, Atlanta, Georgia, United States;
Department of Textile Technology, North Carolina State University, Raleigh,
North Carolina, United States; School of Chemical Engineering, Georgia
Institute of Technology, Atlanta, Georgia, United States

Journal: Macromolecules, 2000
, 33 (8) 2989-2997

Language: English

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2/3/22 (Item 7 from file: 144)

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14417004 PASCAL No.: 00-0073761

High-resolution topographic imaging of environmentally responsive, elastin-mimetic hydrogels

MCMILLAN R A; CARAN K L; APKARIAN R P; **CONTICELLO V P**

Department of Chemistry, Emory University, Atlanta, Georgia 30322, United States; Integrated Microscopy & Microanalytical Facility, Emory University, Atlanta, Georgia 30322, United States

Journal: Macromolecules, 1999
, 32 (26) 9067-9070

Language: English

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? s s2 and triblock

22 S2

41223 TRIBLOCK

S3 12 S S2 AND TRIBLOCK

? t s3/medium/all

3/3/1 (Item 1 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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28719727 PMID: 18954902 **Record Identifier:** NIHMS80825 Available on 01/01/10 ; PMC2602831 Available on 01/01/10

Elastin-mimetic protein polymers capable of physical and chemical crosslinking.

Sallach Rory E; Cui Wanxing; Wen Jing; Martinez Adam; **Conticello Vincent P**; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, GA 30332, USA.

Biomaterials (England) Jan 2009 , 30 (3) p409-22 , ISSN: 1878-5905--Electronic **Journal Code:** 8100316

Contract/Grant No.: HL0083867; HL; NHLBI NIH HHS United States; HL60464; HL; NHLBI NIH HHS United States

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Other Citation Owner: NLM; NLM

Record type: MEDLINE; Completed

3/3/2 (Item 2 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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17409326 **PMID:** 16953644

Micelle density regulated by a reversible switch of protein secondary structure.

Sallach Rory E; Wei Min; Biswas Nilanjana; **Conticello Vincent P**; Lecommandoux Sebastien; Dluhy Richard A; Chaikof Elliot L

Department of Biomedical Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332, USA.

Journal of the American Chemical Society (United States) Sep 13 2006 , 128 (36) p12014-9 , **ISSN:** 0002-7863-

-Print **Journal Code:** 7503056

Contract/Grant No.: EB001956; EB; NIBIB NIH HHS United States; HL60464; HL; NHLBI NIH HHS United States; HL71336; HL; NHLBI NIH HHS United States

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/3 (Item 3 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16905557 **PMID:** 16335985

One-pot glyco-affinity precipitation purification for enhanced proteomics: the flexible alignment of solution-phase capture/release and solid-phase separation.

Sun Xue-Long; Haller Carolyn A; Wu XiaoYi; **Conticello Vincent P**; Chaikof Elliot L

Departments of Surgery and Biomedical Engineering, Emory University School of Medicine, Atlanta, Georgia 30322, USA. xsun@emory.edu

Journal of proteome research (United States) Nov-Dec 2005 , 4 (6) p2355-9 , **ISSN:** 1535-3893--Print **Journal**

Code: 101128775

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/4 (Item 4 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16861590 **PMID:** 16283724

Alterations in physical cross-linking modulate mechanical properties of two-phase protein polymer networks.

Wu Xiaoyi; Sallach Rory; Haller Carolyn A; Caves Jeffrey A; Nagapudi Karthik; **Conticello Vincent P**; Levenston Marc E; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, USA.

Biomacromolecules (United States) Nov-Dec 2005 , 6 (6) p3037-44 , **ISSN:** 1525-7797--Print **Journal Code:** 100892849

Publishing Model Print

Document type: Journal Article; Research Support, N.I.H., Extramural

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/5 (Item 5 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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16453235 **PMID:** 15763249

Viscoelastic and mechanical behavior of recombinant protein elastomers.

Nagapudi Karthik; Brinkman William T; Thomas Benjamin S; Park Jung O; Srinivasarao Mohan; Wright Elizabeth; **Conticello Vince P**; Chaikof Elliot L

Department of Surgery, Emory University, Atlanta, GA 30322, USA.

Biomaterials (England) Aug 2005 , 26 (23) p4695-706 , **ISSN:** 0142-9612--Print **Journal Code:** 8100316

Publishing Model Print

Document type: Comparative Study; Evaluation Studies; Journal Article; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/6 (Item 6 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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15478317 **PMID:** 12901763

In-lens cryo-high resolution scanning electron microscopy: methodologies for molecular imaging of self-assembled organic hydrogels.

Apkarian Robert P; Wright Elizabeth R; Seredyuk Victor A; Eustis Susan; Lyon L Andrew; **Conticello Vincent P**;
Menger Fredric M

Integrated Microscopy and Microanalytical Facility, Emory University, Atlanta, GA 30322, USA.

rapkari@emory.edu

Microscopy and microanalysis - the official journal of Microscopy Society of America, Microbeam Analysis
Society, Microscopical Society of Canada (United States) Aug 2003 , 9 (4) p286-95 , ISSN: 1431-9276--Print

Journal Code: 9712707

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: PubMed not MEDLINE

3/3/7 (Item 7 from file: 155)

Fulltext available through: [STIC Full Text Retrieval Options](#)

MEDLINE(R)

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15010546 **PMID:** 12384307

Self-assembly of block copolymers derived from elastin-mimetic polypeptide sequences.

Wright Elizabeth R; **Conticello Vincent P**

Department of Chemistry, Emory University, 1515 Pierce Drive, Atlanta, GA 30322, USA.

Advanced drug delivery reviews (Netherlands) Oct 18 2002 , 54 (8) p1057-73 , ISSN: 0169-409X--Print

Journal Code: 8710523

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.;

Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/8 (Item 1 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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10414551 **Genuine Article#:** 5261B **No. References:** 31

Thermoplastic elastomer hydrogels via self-assembly of an elastin-mimetic triblock polypeptide

Author: Wright ER (REPRINT); McMillan RA; Cooper A; Apkarian RP; **Conticello VP**

Corporate Source: Emory Univ,Dept Chem,1515 Pierce Dr/Atlanta/GA/30322 (REPRINT); Emory Univ,Dept
Chem,Atlanta/GA/30322; Univ Glasgow,Dept Chem,Glasgow G12 8QQ/Lanark/Scotland; Emory Univ,Integrated
Microscopy & Microanalyt Facil,Atlanta/GA/30322

Journal: ADVANCED FUNCTIONAL MATERIALS , 2002 , V 12 , N2 (FEB) , P 149-154

ISSN: 1616-301X **Publication date:** 20020200

Publisher: WILEY-VCH VERLAG GMBH , PO BOX 10 11 61, D-69451 BERLIN, GERMANY

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

3/3/9 (Item 1 from file: 72)

Fulltext available through: [STIC Full Text Retrieval Options](#)
EMBASE

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0082525205 **EMBASE No:** 2008369487

Deformation responses of a physically cross-linked high molecular weight elastin-like protein polymer

Wu X.; Sallach R.E.; Caves J.M.; **Conticello V.P.**; Chaikof E.L.

Department of Surgery, Emory University, 101 Woodruff Circle, Atlanta, GA 30332, United States; Biomedical Engineering, Emory University, Georgia Institute of Technology, Atlanta, GA 30332, United States

Author email: echaiko@emory.edu

Corresp. Author/Affil: Chaikof E.L.: Department of Surgery, Emory University, 101 Woodruff Circle, Atlanta, GA 30322, United States

Corresp. Author Email: echaiko@emory.edu

Biomacromolecules (Biomacromolecules) (United States) July 1, 2008 , 9/7 (1787-1794)

CODEN: BOMAF **ISSN:** 1525-7797

Item Identifier (DOI): [10.1021/bm800012x](#)

Document Type: Journal ; Article **Record Type:** Abstract

Language: English **Summary language:** English

Number of References: 17

3/3/10 (Item 1 from file: 144)

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18955122 PASCAL No.: 09-0011316

Deformation Responses of a Physically Cross-Linked High Molecular Weight
Elastin-Like Protein Polymer

XIAOYI WU; SALLACH Rory E; CAVES Jeffrey M; **CONTICELLO**
Vincent P; CHAIKOF Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, United States; Biomedical Engineering, Emory University/Georgia Institute of Technology, Atlanta, Georgia 30332, United States; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; School of Chemical and Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States

Journal: Biomacromolecules, 2008
, 9 (7) 1787-1794

Language: English

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3/3/11 (Item 2 from file: 144)

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17462640 PASCAL No.: 06-0045893

Alterations in physical cross-linking modulate mechanical properties of two-phase protein polymer networks

XIAOYI WU; SALLACH Rory; HALLER Carolyn A; CAVES Jeffrey A; NAGAPUDI Karthik; **CONTICELLO Vincent P**; LEVENSTON Marc E; CHAIKOF Elliot L

Department of Surgery, Emory University, Atlanta, Georgia 30332, United States; Department of Biomedical Engineering, Emory University School of Medicine and Georgia Institute of Technology, Atlanta, Georgia 30332, United States; Merck & Company, Rahway, New Jersey 07095, United States ; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; School of Mechanical, Georgia Institute of Technology, Atlanta, Georgia 30322, United States; School of Chemical Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States

Journal: Biomacromolecules, 2005
, 6 (6) 3037-3044

Language: English

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3/3/12 (Item 3 from file: 144)

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17087645 PASCAL No.: 05-0153209

Protein-based thermoplastic elastomers

NAGAPUDI Karthik; BRINKMAN William T; LEISEN Johannes; THOMAS Benjamin S; WRIGHT Elizabeth R; HALLER Carolyn; XIAOYI WU; APKARIAN Robert P; **CONTICELLO Vincent P**; CHAIKOF Elliot L

Departments of Surgery and Biomedical Engineering, Emory University

School of Medicine and Georgia Institute of Technology, Atlanta, Georgia 30332, United States; School of Polymer, Textile, and Fiber Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States; Department of Chemistry, Emory University, Atlanta, Georgia 30332, United States; Integrated Microscopy & Microanalytical Facility, Emory University, Atlanta, Georgia 30332, United States; School of Chemical and Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia 30322, United States

Journal: Macromolecules, 2005
, 38 (2) 345-354

Language: English

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? TYPE 14417004/full from 144

14417004/9 (Direct type from file: 144)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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14417004 PASCAL No.: 00-0073761

High-resolution topographic imaging of environmentally responsive, elastin-mimetic hydrogels

MCMILLAN R A; CARAN K L; APKARIAN R P; CONTICELLO V P

Department of Chemistry, Emory University, Atlanta, Georgia 30322, United States; Integrated Microscopy & Microanalytical Facility, Emory University, Atlanta, Georgia 30322, United States

Journal: Macromolecules, 1999

, 32 (26) 9067-9070

ISSN: 0024-9297 CODEN: MAMOBX Availability: INIST-13789
; 354000081096550510

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United States

Note: 3/4 p. ref. et notes

Language: English

English Descriptors: Lysine copolymer; Glycine copolymer; Proline copolymer
; Terpolymer; Organized copolymer; Colloidal gel; Biomaterial; Biomimetic

compound; Phase transitions; Structure modification; Morphology;
Experimental study
Broad Descriptors: Aminoacid copolymer; Peptide copolymer; Peptido
copolimero

French Descriptors: Lysine copolymere; Glycine copolymere; Proline
copolymere; Terpolymere; Copolymere organise; Gel colloidal; Biomateriau;
Compose biomimetique; Transition phase; Modification structure;
Morphologie; Etude experimentale

Classification Codes: 001D09F02

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? ds

Set Items Description

S1 67 S AU=((CONTICELLO V?) OR (CONTICELLO, V.P.) OR (CONTICELLO, V.?)) AND (COPOLYMER OR CO-
POLYMER)

S2 22 RD (unique items)

S3 12 S S2 AND TRIBLOCK

? s s2 and BAB

22 S2

4595 BAB

S4 2 S S2 AND BAB

? t 4/medium/all

4/3/1 (Item 1 from file: 34)

Fulltext available through: [STIC Full Text Retrieval Options](#)

SciSearch(R) Cited Ref Sci

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11692746 **Genuine Article#:** 682YD **No. References:** 28

Morphological characterization of elastin-mimetic block copolymers utilizing cryo- and cryoetch-HRSEM

Author: Wright ER; Conticello VP; Apkarian RP (REPRINT)

Corporate Source: Emory Univ, Dept Chem, Integrated Microscopy & Microanalyt Facil, 1515 Pierce

Dr/Atlanta//GA/30322 (REPRINT); Emory Univ,Dept Chem, Integrated Microscopy & Microanalyt
Facil,Atlanta//GA/30322

Journal: MICROSCOPY AND MICROANALYSIS , 2003 , V 9 , N3 (JUN) , P 171-182

ISSN: 1431-9276 **Publication date:** 20030600

Publisher: CAMBRIDGE UNIV PRESS , 40 WEST 20TH ST, NEW YORK, NY 10011-4221 USA

Language: English **Document Type:** ARTICLE (ABSTRACT AVAILABLE)

4/3/2 (Item 1 from file: 144)

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17087645 PASCAL No.: 05-0153209

Protein-based thermoplastic elastomers

NAGAPUDI Karthik; BRINKMAN William T; LEISEN Johannes; THOMAS
Benjamin S; WRIGHT Elizabeth R; HALLER Carolyn; XIAOYI WU; APKARIAN Robert
P; **CONTICELLO Vincent P**; CHAIKOF Elliot L

Departments of Surgery and Biomedical Engineering, Emory University
School of Medicine and Georgia Institute of Technology, Atlanta, Georgia
30332, United States; School of Polymer, Textile, and Fiber Engineering,
Georgia Institute of Technology, Atlanta, Georgia 30322, United States;
Department of Chemistry, Emory University, Atlanta, Georgia 30332, United
States; Integrated Microscopy & Microanalytical Facility, Emory
University, Atlanta, Georgia 30332, United States; School of Chemical and
Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia
30322, United States

Journal: Macromolecules, 2005
, 38 (2) 345-354

Language: English

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? s BAB and (copolymer or polymer or co-polymer)

4595 BAB

513444 COPOLYMER

2309009 POLYMER

1084 CO-POLYMER

S5 263 S BAB AND (COPOLYMER OR POLYMER OR CO-POLYMER)

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S6 166 RD (UNIQUE ITEMS)

? s s6 and py<=2001

Processing

Processing

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Processing

Processing

>>>W: One or more prefixes are unsupported

or undefined in one or more files.

166 S6

128984131 PY<=2001

S7 87 S S6 AND PY<=2001

? d s

Set Items Description

S1 67 S AU=((CONTICELLO V?) OR (CONTICELLO, V.P.) OR (CONTICELLO, V.?)) AND (COPOLYMER OR CO-POLYMER)

S2 22 RD (unique items)

S3 12 S S2 AND TRIBLOCK

S4 2 S S2 AND BAB

S5 263 S BAB AND (COPOLYMER OR POLYMER OR CO-POLYMER)

S6 166 RD (unique items)

S7 87 S S6 AND PY<=2001

? s7 and (protein or peptide or elastin or collagen)

Processing

87 S7

17139010 PROTEIN

2927043 PEPTIDE

58694 ELASTIN

914762 COLLAGEN

S8 1 S S7 AND (PROTEIN OR PEPTIDE OR ELASTIN OR COLLAGEN)

? t s8/medium/1

8/3/1 (Item 1 from file: 136)

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BioEngineering Abstracts

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0000077906 IP Accession No: 379567

Polymeric biomaterials with degradation sites for proteases involved in cell migration

West, Jennifer L; Hubbell, Jeffrey A California Inst of Technology, Pasadena, CA, USA

Macromolecules , v 32 , n 1 , p 241-244 , January 12, 1999

Publication Date: 1999

Publisher: ACS, WASHINGTON, DC, (USA)

Document Type: Journal Article

Record Type: Abstract

Language: English

ISSN: 0024-9297

File Segment: BioEngineering Abstracts

? t s8/full/1

8/9/1 (Item 1 from file: 136)

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BioEngineering Abstracts

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0000077906 IP Accession No: 379567

Polymeric biomaterials with degradation sites for proteases involved in cell migration

West, Jennifer L; Hubbell, Jeffrey A California Inst of Technology, Pasadena, CA, USA

Macromolecules , v 32 , n 1 , p 241-244 , January 12, 1999

Publication Date: 1999

Publisher: ACS, WASHINGTON, DC, (USA)

Document Type: Journal Article

Record Type: Abstract

Language: English

ISSN: 0024-9297

File Segment: BioEngineering Abstracts

Abstract:

A new class of biodegradable polymeric biomaterials is described which exhibits degradation by specific enzymes that are localized near cell surfaces during cell migration. These materials are telechelic **BAB** block copolymers of the water-soluble biocompatible **polymer**, polyethylene glycol (A block) and short oligopeptide that are cleavage sequences for targeted enzymes (B block). These polymers are further capped at each end with reactive acrylate groups to allow polymerization to form crosslinked hydrogel networks. The combination of two types of bioactive signals, one for cell-mediated degradation, and one for cell adhesion, into one material should achieve a biomimetic polymeric hydrogel with properties of natural extracellular matrix.

Descriptors: Enzymes; Polyethylene glycols; Block copolymers; **Collagen**; Biocompatibility; Biosynthesis; Hydrogels; Macromolecules; Biodegradation; Molecular structure

Identifiers: Plasmin; Biomimetic approaches

Subj Catg: 462.5, Biomaterials; 804.1, Organic Compounds; 815.1.1, Organic Polymers; 461.9.1, Immunology; 461.8, Biotechnology

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